

WHAT IS CLAIMED IS:

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1. A liquid ejection apparatus comprising a liquid bag for containing liquid to be supplied to a liquid ejection head and adapted to generate negative pressure in the liquid ejection head by a difference of water head between the liquid ejection head and the liquid bag, said liquid bag being so arranged as to make a side of said liquid bag facing a direction opposite to the direction of gravity out of two sides having a largest area to be rigidly held at least partly and the other side to be freely movable, said liquid bag being provided with a means for detecting an amount of liquid remaining in said liquid bag by a position of the other side facing the direction of gravity and adapted to move according to the amount of liquid contained in said liquid bag.

2. An apparatus according to claim 1, wherein said liquid bag is rigidly secured in an area between 20% and 60% of the area that can be used for containing liquid.